

EL841129556US

JC13 Rec'd PCT/PTO 31 MAR 2005

PTO-1390 (Rev. 02-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

235038

CLIENT REF. NO.

10/529932

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO.  
PCT/US03/31181INTERNATIONAL FILING DATE  
02 October 2003 (02.10.2003)PRIORITY DATE CLAIMED  
02 October 2002 (02.10.2002)

## TITLE OF INVENTION

LANCE-TYPE LIQUID REDUCING AGENT SPRAY DEVICE

## APPLICANT(S) FOR DO/EO/US

HUFFMAN, David C.; THENIN, Michel R.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

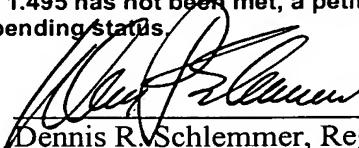
1.  This is a **FIRST** submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 USC 371 and 37 CFR 1.491.
3.  This is an express request to begin national examination procedures (35 USC 371(f)).
4.  The US has been elected (PCT Article 31).
5.  A copy of the International Application as filed (35 USC 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 USC 371(c)(2)).
  - a.  is attached hereto.
  - b.  has previously been submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 USC 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 USC 371(c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC 371(c)(5)).
11. Nucleotide and/or Amino Acid Sequence Submission
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper Copy
  - c.  Statement verifying identity of above copies

## Items 12 to 20 below concern other document(s) or information included:

12.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  - Form PTO-1449
  - Copies of References (except for U.S. patents and applications)
13.  An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
14.  A **FIRST** preliminary amendment.
15.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
16.  A substitute specification.
17.  A change of power of attorney and/or address letter.
18.  Application Data Sheet Under 37 CFR 1.76
19.  Return Receipt Postcard
20.  Other items or information:

SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY DOCKET NO.	CLIENT REF. NO.
<b>107529932</b>	PCT/US03/31181	235038	
The following fees are submitted:			CALCULATIONS
21. <input checked="" type="checkbox"/> Basic national fee ..... \$300			\$300.00
22. <input checked="" type="checkbox"/> Examination Fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$100 All other situations ..... \$200			\$200.00
23. <input checked="" type="checkbox"/> Search Fee USPTO was ISA ..... \$100 Search report provided to USPTO by other entity ..... \$400 All other situations ..... \$500			\$100.00
			<b>TOTAL OF 21, 22 AND 23 =</b> \$600.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			\$
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
- 100 =	/ 50 =		x \$250
Surcharge of \$130 for furnishing the National fee or oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).			\$
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total Claims	10 - 20 =	0	x \$ 50 \$0.00
Independent Claims	1 - 3 =	0	x \$200 \$0.00
<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>			+ \$360 \$
			<b>TOTAL OF ABOVE CALCULATIONS =</b> \$600.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.			\$()
			<b>SUBTOTAL=</b> \$600.00
Processing fee of \$130 for furnishing English Translation later than 30 months from the earliest claimed priority date.			\$
			<b>TOTAL NATIONAL FEE=</b> \$600.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property.			\$
			<b>TOTAL FEES ENCLOSED=</b> \$600.00
			Amount to be refunded \$
			Amount to be charged: \$
<p>a. <input type="checkbox"/> No fee is believed to be due.</p> <p>b. <input checked="" type="checkbox"/> Please charge Deposit Account No. 12-1216 the total fee indicated above.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-1216. A duplicate copy of this sheet is enclosed.</p>			
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>			
<p>SEND ALL CORRESPONDENCE TO CUSTOMER NO. 23460: 23460</p>			
 Dennis R. Schlemmer, Registration No. 24,703 LEYDIG, VOIT & MAYER, LTD. Two Prudential Plaza, Suite 4900 180 North Stetson Avenue Chicago, Illinois 60601-6780 (312) 616-5600 (telephone) (312) 616-5700 (facsimile)			
Date: March 31, 2005			

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>107529932</b>	INTERNATIONAL APPLICATION NO. PCT/US03/31181	ATTORNEY DOCKET NO. 235038	CLIENT REF. NO.
EL841129556US "Express Mail" Mailing Number	March 31, 2005 Date of Deposit		
<p>I hereby certify that this transmittal document with respect to the U.S. national phase of the above-referenced International Patent Application, including all of the items listed thereon as enclosures, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p>			
Peter Phillips Typed or Printed Name of Person Making Deposit	 Signature of Person Making Deposit		